

CLAIMS

What is claimed is:

- 5 1. A computer implemented method of implementing a touch screen user interface for a computer system, the method comprising the steps of:
 accepting text input strokes in a first touchscreen area;
 displaying recognized text from the text input strokes in a second touchscreen area;
10 displaying the text input strokes in the first touchscreen area;
 recognizing the text input strokes and displaying recognized text in the second touchscreen area; and
 displaying a portion of the recognized text in the first touchscreen area,
 the portion of the recognized text shown as the text input strokes are recognized.
15 2. The method of Claim 1 further including the step of scrolling the portion of the recognized text in the first touchscreen area as new text input strokes are recognized.
20 3. The method of Claim 1 further including the steps of:
 displaying the portion of the recognized text in the first touchscreen area in a first format; and
 displaying the recognized text in the second touchscreen area in a second format, wherein the first format is larger than the second format.
25 4. The method of Claim 1 further including the steps of:

displaying the text input strokes in a first part of the first touchscreen area;

displaying the portion of the recognized text in a second part of the first touchscreen area, wherein the text input strokes are shown in the first part until

5 the text input strokes are recognized and resulting recognized text is shown in the second part.

5. The method of Claim 1 further including the step of:
implementing in-place editing by replacing one or more previously
10 recognized characters of the portion of the recognized text in the first touchscreen area with newly recognized one or more characters by recognizing new text input strokes made over
the one or more previously recognized characters.

15 6. The method of Claim 1 further including the step of:
implementing draggable navigation of the recognized text in the second touchscreen area by dragging a boundary of the first touchscreen area to change
the portion of the recognized text shown in the first touchscreen area.

20 7. The method of Claim 1 further including the step of:
implementing tab spots in the first touchscreen area to change a location
of a text entry point with respect to a plurality of fields of the second touchscreen area.

25 8. The method of Claim 1 further including the step of:

implementing a draggable scroll controller within the first touchscreen area for scrolling the portion of the recognized text displayed in the first touchscreen area.

5 9. The method of Claim 1 wherein the step of recognizing the text input strokes includes immediately recognizing a character after a user completes at least one stroke that defines the character.

10 10. The method of Claim 1 wherein the touchscreen area is provided on a PID (personal information device).

11. The method of Claim 1 wherein the touchscreen area is provided on a palmtop computer system.

15 12. In a hand-held portable computer device, computer implemented method of implementing a user interface for a computer system, the method comprising the steps of:

accepting text input strokes in a first area;
displaying recognized text from the text input strokes in a second area;
20 displaying the text input strokes in the first area;
recognizing the text input strokes and displaying recognized text in the second area;

displaying a portion of the recognized text in the first area, the portion of the recognized text shown as the text input strokes are recognized; and
25 scrolling the portion of the recognized text in the first area as new text input strokes are recognized.

13. The method of Claim 12 further including the steps of:
displaying the portion of the recognized text in the first area in a first
format; and
displaying the recognized text in the second area in a second format,
5 wherein the first format is larger than the second format.

14. The method of Claim 12 further including the steps of:
displaying the text input strokes in a first part of the first area;
displaying the portion of the recognized text in a second part of the first
10 area, wherein the text input strokes are shown in the first part until the text
input strokes are recognized and resulting recognized text is shown in the second
part.

15. The method of Claim 12 further including the step of:
15 implementing in-place editing by replacing one or more previously
recognized characters of the portion of the recognized text in the first area with
newly recognized one or more characters by recognizing new text input strokes
made over
the one or more previously recognized characters.

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16. The method of Claim 12 further including the step of:
implementing draggable navigation of the recognized text in the second
area by dragging a boundary of the first area to change the portion of the
recognized text shown in the first area.

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17. The method of Claim 12 further including the step of:

implementing tab spots in the first area to change a location of a text entry point with respect to a plurality of fields of the second area.

18. The method of Claim 12 further including the step of:
5 implementing a draggable scroll controller within the first area for scrolling the portion of the recognized text displayed in the first area.

19. The method of Claim 12 wherein a first touchscreen display is used to implement the first area and a second touchscreen is used implement the second area.
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20. The method of Claim 12 wherein a single touchscreen displaying is used implement the first area and the second area.

15 21. In a hand-held portable computer device, a computer readable medium having computer readable code which when executed by a computer system cost the computer device to implement a user interface method, the method comprising the steps of:

accepting text input strokes in a first area;
20 displaying recognized text from the text input strokes in a second area;
displaying the text input strokes in the first area;
recognizing the text input strokes and displaying recognized text in the second area;

displaying a portion of the recognized text in the first area, the portion of
25 the recognized text shown as the text input strokes are recognized; and
scrolling the portion of the recognized text in the first area as new text input strokes are recognized.

22. The method of Claim 21 further including the step of:
implementing in-place editing by replacing one or more previously
recognized characters of the portion of the recognized text in the first area with
5 newly recognized one or more characters by recognizing new text input strokes
made over
the one or more previously recognized characters.

23. The method of Claim 21 further including the step of:
10 implementing draggable navigation of the recognized text in the second
area by dragging a boundary of the first area to change the portion of the
recognized text shown in the first area.

24. The method of Claim 21 wherein the hand-held portable computer
15 device is a personal information device.